

Title (en)
FOLDING APPARATUS OF AN OFFSET WEB-FED PRINTING PRESS AND OFFSET WEB-FED PRINTING PRESS

Title (de)
FALZAPPARAT EINER OFFSET-ROLLENDRUCKMASCHINE UND OFFSET-ROLLENDRUCKMASCHINE

Title (fr)
PLIEUSE D'UNE MACHINE D'IMPRESSION OFFSET À BOBINES ET MACHINE D'IMPRESSION OFFSET À BOBINES

Publication
EP 4282657 B1 20240807 (DE)

Application
EP 23171155 A 20230502

Priority
DE 102022111571 A 20220510

Abstract (en)
[origin: CN117021751A] The invention relates to a folding machine (10) of a lithographic cylinder printing press, comprising: a first transport device (11) for a web-like printing material, which is designed as a belt guide, and which is designed such that a belt (13) of the first transport device can be driven at a speed corresponding to the speed of the printing material; a first cutting device (15) which is arranged in the region of the first transport device (11) and which is designed in such a way that the first cutting device cuts off the printing material in a format-variable manner in a section which is not covered by the belt (13) of the first transport device (11); a second transport device (18), which is arranged downstream of the first transport device (11) and is designed as a belt guide system, the belt (19) of which is offset transversely to the transport direction of the printing material relative to the belt (13) of the first transport device (11), and which is designed such that the belt (19) of which can be driven at a speed greater than the speed of the belt (13) of the first transport device; a second cutting device (21) which is arranged in the region of the second transport device (18) and which is designed in such a way that the second cutting device cuts off the printing material in a variable format in a section covered by the belt (13) of the first transport device (11) in order to separate the fold; and a fold accelerator (30) for accelerating the fold separated from the web-like printing material from the speed of the belt of the first transport device (11) to the speed of the belt of the second transport device (18).

IPC 8 full level
B41F 13/00 (2006.01); **B41F 13/02** (2006.01); **B41F 13/08** (2006.01); **B41F 13/56** (2006.01); **B41F 13/64** (2006.01); **B41F 17/02** (2006.01); **B41F 19/00** (2006.01); **B41F 25/00** (2006.01); **B65H 45/06** (2006.01); **B65H 45/28** (2006.01)

CPC (source: CN EP US)
B41F 1/16 (2013.01 - US); **B41F 1/28** (2013.01 - US); **B41F 13/0008** (2013.01 - EP); **B41F 13/02** (2013.01 - EP); **B41F 13/08** (2013.01 - EP); **B41F 13/56** (2013.01 - EP); **B41F 13/64** (2013.01 - EP); **B41F 17/02** (2013.01 - EP US); **B41F 19/00** (2013.01 - CN); **B41F 19/008** (2013.01 - EP); **B41F 25/00** (2013.01 - EP); **B65H 29/51** (2013.01 - EP); **B65H 45/18** (2013.01 - EP); **B65H 45/22** (2013.01 - US); **B65H 45/28** (2013.01 - EP US); **B65H 29/14** (2013.01 - US); **B65H 2513/10** (2013.01 - US); **B65H 2801/31** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4282657 A1 20231129; **EP 4282657 B1 20240807**; CN 117021751 A 20231110; DE 102022111571 A1 20231116; JP 2023167008 A 20231122; US 2023364903 A1 20231116

DOCDB simple family (application)
EP 23171155 A 20230502; CN 202310520786 A 20230510; DE 102022111571 A 20220510; JP 2023077356 A 20230509; US 202318144944 A 20230509